

$f =$

$$\begin{aligned} & \exp(d_{cu}) / (\exp(c_{cu}) - B * \exp(c_{bal}))^{ETAc} - \exp(la_{cu}) - (B * BETTA * \exp(d_{cup})) / (\exp(c_{cup}) - B * \exp(c_{cu}))^{ETAc} \\ & \exp(la_{cu}) * \exp(w_{cu}) - (THETA * \exp(d_{cu})) / (1 - \exp(n_{cu}))^{ETAl} \\ & \quad BETTA * \exp(la_{cup}) * (\exp(rk_{cup}) - DELTA + 1) - \exp(la_{cu}) \\ & \quad (\exp(-rk_{cu}) * \exp(a_{cu}) * \exp(n_{cu})^{ALFA} * (ALFA - 1)) / \exp(k_{cu})^{ALFA} + 1 \\ & \exp(w_{cu}) - ALFA * \exp(a_{cu}) * \exp(k_{cu})^{(1 - ALFA)} * \exp(n_{cu})^{(ALFA - 1)} \\ & \quad \exp(y_{cu}) - \exp(iv_{cu}) - \exp(c_{cu}) \\ & \exp(a_{cu}) * \exp(k_{cu})^{(1 - ALFA)} * \exp(n_{cu})^{ALFA} - \exp(y_{cu}) \\ & \quad \exp(iv_{cu}) - \exp(k_{cup}) - \exp(k_{cu}) * (DELTA - 1) \\ & \quad \exp(c_{cu}) - \exp(c_{balp}) \\ & \quad RHOA * \log(\exp(a_{cu})) - \log(\exp(a_{cup})) \\ & \quad RHOD * \log(\exp(d_{cu})) - \log(\exp(d_{cup})) \end{aligned}$$